



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT Application of
MILLS

Group Art Unit: 1754

Application No. 09/009,455

Examiner: Langel for
Secret Committee

Filed: January 20, 1998

For: HYDRIDE FUEL AND EXPLOSIVE

March 10, 2003

INFORMATION DISCLOSURE STATEMENT

Hon. Asst. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

Sir:

Attached are PTO/SB/O8B forms listing the enclosed documents. Copies of the enclosed documents are attached to this Information Disclosure Statement and/or to the Attachments to the Response filed herewith.

Please accept this Information Disclosure Statement under Rule 97(c) and charge the requisite Rule 17(p) fee to our Deposit Account No. 50-0687 under Order No. 27462/62-226 for which purposes this paper is submitted in duplicate.

Applicant also attaches herewith a complete list of all his articles that have been submitted previously for consideration on PTO/SB/08A and B forms, which listed the dates the journals published the articles. Please note that the document numbers on this list do not correspond to the numbers in other lists submitted previously in other responses. Because of an oversight, Applicant's counsel only recognized recently that Applicant had posted his articles on the BlackLight's website

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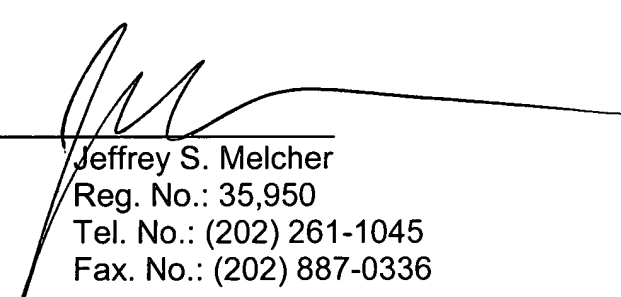
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(www.blacklightpower.com) earlier than the listed publication date and these postings may constitute a publication under the patent laws and rules. If the U.S. Patent Office determines that the postings were publications, Applicant provides herewith on the attached list the internet publication dates for each such article identified as "web publication date."

This information disclosure statement is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully. Consideration of the foregoing and enclosures plus the return of a copy of the herewith PTO/SB/08A and B forms with the Examiner's initials in the left column per MPEP 609 along with an early action on the merits of this application are earnestly solicited.

Respectfully submitted,
Manelli Denison & Selter PLLC

By



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Customer No. 20736



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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	09/009,455		
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		First Named Inventor	Mills		
		Group Art Unit	1754		
Examiner Name	Langel				
Sheet	1	of	4	Attorney Docket Number	

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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," J. Phys. Chem. A, submitted. (Web Publication Date: Feb. 21, 2003.) Attachment 81	
		R. L. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics, Physical Review," submitted. (Web Publication Date: Jan. 27, 2003.) Attachment 80	
		R. Mills, J. He, B. Dhandapani, P. Ray, "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted. Attachment 79	
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		R. L. Mills, P. Ray, B. Dhandapani, J. He, "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas," Polish Journal of Chemistry, submitted. (Web Publication Date: Oct. 29, 2002.) Attachment 75	

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		R. L. Mills, P. C. Ray, R. M. Mayo, M. Nansteel, B. Dhandapani, J. Phillips, "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Physics of Plasmas, submitted. Attachment 74	
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		R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, in press. (Web Publication Date: Dec. 31, 2002.) Attachment 69	
		R. Mills, P. Ray, R. M. Mayo, "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser," IEEE Transactions on Plasma Science, submitted. (Web Publication Date: Aug. 16, 2002.) Attachment 68	

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		R. L. Mills, P. Ray, B. Dhandapani, J. He, "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. B, submitted. (Web Publication Date: July 17, 2002.) Attachment 67	
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		R. L. Mills, J. Sankar, A. Voigt, J. He, B. Dhandapani, "Synthesis of HDLC Films from Solid Carbon," Thin Solid Films, submitted. (Web Publication Date: May 3, 2002.) Attachment 60	
		R. Mills, P. Ray, R. M. Mayo, "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, in press. (Web Publication Date: July 11, 2002.) Attachment 59	
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81. R. Mills, P. Ray, B. Dhandapani, W. Good, P. Jansson, M. Nansteel, J. He, A. Voigt, "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," J. Phys. Chem. A, submitted. (*Web Publication Date: Feb. 21, 2003.*)
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56. R. M. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1-4. (*Web Publication Date: March 28, 2002.*)
55. R. Mills, P. Ray, R. M. Mayo, "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (*Web Publication Date: April 22, 2002.*)
54. R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, submitted. (*Web Publication Date: March 20, 2002.*)
53. R. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium," Foundations of Science, submitted. (*Web Publication Date: June 4, 2002.*)
52. R. Mills and M. Nansteel, P. Ray, "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1-70.28. (*Web Publication Date: October, 2002, when it became available on the New Journal of Physics website.*)
51. R. Mills, P. Ray, R. M. Mayo, "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, in press. (*Web Publication Date: Feb. 4, 2002.*)
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48. R. M. Mayo, R. Mills, M. Nansteel, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066-2073. (*Web Publication Date: March 26, 2002.*)
47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, submitted.
46. R. L. Mills, P. Ray, "Stationary Inverted Lyman Population and a Very Stable Novel Hydride Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Catalysts," International Journal of Engineering Science, submitted.
45. R. L. Mills, J. He, P. Ray, B. Dhandapani, X. Chen, "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, in press. (*Web Publication Date: April 15, 2002.*)
44. R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Characterization of Lithium Chloro Hydride," Int. J. Hydrogen Energy, submitted. (*Web Publication Date: Jan. 7, 2002.*)
43. R. L. Mills, P. Ray, "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," New Journal of Physics, www.njp.org, Vol. 4, (2002), pp. 22.1-22.17. (*Web Publication Date: Dec. 27, 2001.*)
42. R. L. Mills, P. Ray, "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion $H^-(1/2)$, Hydrogen, Nitrogen, and Air," Int. J. Hydrogen Energy, in press. (*Web Publication Date: Nov. 14, 2001.*)
41. R. L. Mills, E. Dayalan, "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1-6. (*Web Publication Date: Nov. 9, 2001.*)
40. R. M. Mayo, R. Mills, M. Nansteel, "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," IEEE Transactions on Plasma Science, August, (2002), Vol. 30, No. 4, pp. 1568-1578. (*Web Publication Date: Nov. 12, 2001.*)
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38. R. Mills, E. Dayalan, P. Ray, B. Dhandapani, J. He, "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," *Electrochimica Acta*, Vol. 47, No. 24, (2002), pp. 3909-3926. (*Web Publication Date: June 13, 2002.*)
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36. R. L. Mills, P. Ray, B. Dhandapani, J. He, "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," *Vacuum*, submitted. (*Web Publication Date: Oct. 9, 2001.*)
35. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Rydberg States of Atomic Hydrogen," *Optics Communications*, submitted. (*Web Publication Date: Oct. 9, 2001.*)
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33. R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," *J Mol. Struct.*, Vol. 643, No. 1-3, (2002), pp. 43-54. (*Web Publication Date: Oct. 10, 2001.*)
32. R. L. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," *Int. J. Hydrogen Energy*, Vol. 27, No. 9, (2002), pp. 927-935. (*Web Publication Date: Sept. 19, 2001.*)
31. R. Mills, J. Dong, W. Good, P. Ray, J. He, B. Dhandapani, "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," *Int. J. Hydrogen Energy*, Vol. 27, No. 9, (2002), pp. 967-978. (*Web Publication Date: Sept. 14, 2001.*)
30. R. L. Mills, A. Voigt, P. Ray, M. Nansteel, B. Dhandapani, "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," *Int. J. Hydrogen Energy*, Vol. 27, No. 6, (2002), pp. 671-685. (*Web Publication Date: Aug. 22, 2001.*)
29. R. Mills, P. Ray, "Vibrational Spectral Emission of Fractional-Principal-Quantum-

- Energy-Level Hydrogen Molecular Ion," *Int. J. Hydrogen Energy*, Vol. 27, No. 5, (2002), pp. 533-564. (*Web Publication Date: July 19, 2001.*)
28. R. Mills, P. Ray, "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," *Int. J. Hydrogen Energy*, (2002), Vol. 27, No. 3, pp. 301-322. (*Web Publication Date: Aug. 1, 2001.*)
27. R. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product," *Int. J. Hydrogen Energy*, Vol. 27, No. 2, (2002), pp. 183-192. (*Web Publication Date: Jan. 11, 2002.*)
26. R. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," *Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread*, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697. (*Presented at the conference on March 7, 2001; Web Publication Date: April 20, 2001.*)
25. R. Mills, W. Good, A. Voigt, Jinqun Dong, "Minimum Heat of Formation of Potassium Iodo Hydride," *Int. J. Hydrogen Energy*, Vol. 26, No. 11, (2001), pp. 1199-1208. (*Web Publication Date: March 23, 2001.*)
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